T BOOK

nsions		Contents	Reference to last Measurement
Breadth 5	Depth 6	7	8
00-00			
00			
-00			
-00			
-00			
-00			
-00			
-00			
00			
4-00			
66-00			

M. A. R. 57 (Rule 116)
Measurement Book

No. B

Premeasurements:-
Serial No. First | final bill:-
Name of Work Improvements to roads and drains in Radhanagar area in Ward 7 From ... To ...
Name of Contractor of nature of Agency byatarayanapura.
Date of commencement of work ↳ M/s. Nischal constructions

496751

Date	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	Est cost:	15.00 lakhs.					
	Job code:-	007-17-00011					
	Head of account:-	P1771					
	A.S. NO:-	AS/CE/VNK/66/16-17, dt: 28.12.16					
	T.S. NO:-	TS/EE/BTP/85/16-17, dt: 28.12.16					
	Agr no:-	NO. EE/BTP/Agr/56/17-18, dt: 06.05.19.					
	Work order:-	NO. BBMP/EE/BTP/WO/56/17-18, dt: 06.05.19					
	Approved tender price:-	1392983.98					

BOOK

ns		Contents	Reference to last Measurement
eadth 5	Depth 6	626.40 7	8
	1.20	= 81.60	
	1.20	= 144.0	
	1.20	= 76.80	
		928.80 sqm	

Actl. N.D
AE (NH)

M. A. R. 57 (Rule 116)
Measurement Book

No. B 496756

Serial No. MAIN-BILL:-
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	Item No-01:- Earthwork excavation for foundation of building, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m & above in width, in ordinary soil not exceeding 1.5m in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50m.						
	Qty vide page no 496752 →			340.10 cum.			
	At the rate of Rs. 78.17 →						26585.62

MEASUREMENT BOOK

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	Item No 02:- Providing and laying in position plain cement concret of nominal mix 1:4:8 using 40mm and down size graded granite metal machine mixed, concrete laid in layers not exceeding 15cms. th well compacted in foundation and plinth, including cost of all materials, labour,						
	Qty vide page no. 496753 → 45.67 cum						215868.00
	At the rate of Rs. 4766.36 → 45.29						217679.86
	Item No. 05:- Providing and fabricating TMT steel reinforcement for RCC work including straightening, cutting, bending, hooking, placing in position, lapping and or welding wherever required tying with binding wire and anchoring to the adjoining						

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency ....
Date of commencement of work .....

Date 1	Full description, etc, of work 2
	members wherever nece
	Qty vide page no.
	At the rate of Rs.
	Item No. 06:- Providing a
	propping etc, and remov
	any thickness including
	courses cost of all m
	Qty vide page
	At the rate of Rs

OK

Depth 6	Contents 7	Reference to last Measurement 8
n cement concret of ize graded granite rs not exceeding nd plinth, including		
		215868.00 217679.86
tled reinforcement for , bending, hooking, ng wherever required to the adjoining		

M. A. R. 57 (Rule 116)
Measurement Book

No. B 496757

Serial No. ..... From..... To.....
Name of Work .....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	members wherever necessary complete as per design., Qty vide page no. 496754 → 4.79 tonne. At the rate of Rs. 55767.38 →						267125.75
	Item No. 06:- Providing and removing centering, shuttering strutting, propping etc, and removal formwork for vertical surface such as walls at any thickness including attached pilasters, buttresses, plinth and string courses cost of all materials, labour complete., Qty vide page no 496755 → 928.80 sqm At the rate of Rs. 287.64 →						267160.03

MEASUREMENT BOOK

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	Item No.04:- Providing and laying in position reinforced cement concrete of design mix M20 with OPC cement @ 320 kgs with 20mm and down size graded granite metal coarse aggregates @ 0.878 cum and fine aggregates @ 0.459 cum with superplastizers @ 3lts.,						
	RCC-drain: Bottom:						
	Padma-tent area: 0-27	1.0	27.0	0.90	0.10	= 2.43	
	Laxmi Narayana 0-30	1.0	30.0	0.90	0.10	= 2.70	
	-temple road: 30-60	1.0	30.0	0.90	0.10	= 2.70	
	60-90	1.0	30.0	0.90	0.10	= 2.70	
	90-107	1.0	17.0	0.90	0.10	= 1.53	
						12.06	

C&FC. 21/11

ಗ.ಅ. (ಬಾ.ವಿ)

Serial No. .....

Name of Work .....

Name of Contractor of nature of Agency ....

Date of commencement of work .....

Date 1	Full description, etc, of work 2
	115-145
	145-162
	172-202
	207-223
	Side-wall:- 0-27
	0-30
	30-60
	60-90
	90-107

C&FC. 21/11

ಗ.ಅ. (ಬಾ.ವಿ)

DK

Depth 6	Contents 7	Reference to last Measurement 8
reinforced cement		
ent @ 320 kgs with 20mm		
ase aggregates		
59 cum with		
90	0.10 = 2.43	
90	0.10 = 2.70	
90	0.10 = 2.70	
90	0.10 = 2.70	
.90	0.10 = 1.53	
	12.06	

M. A. R. 57 (Rule 116)
Measurement Book

No. B

496758

Serial No. ..... From..... To.....

Name of Work .....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
						12.06	
	115-145	1.0	30.0	0.90	0.10	= 2.70	
	145-162	1.0	17.0	0.90	0.10	= 1.53	
	172-202	1.0	30.0	0.90	0.10	= 2.70	
	207-223	1.0	16.0	0.90	0.10	= 1.44	
	side-wall:- 0.27	1x2	27.0	0.10	0.90	= 4.86	
	0.30	1x2	30.0	0.10	0.90	= 5.40	
	30-60	1x2	30.0	0.10	0.90	= 5.40	
	60-90	1x2	30.0	0.10	0.90	= 5.40	
	90-107	1x2	17.0	0.10	0.90	= 3.06	
						44.55	

C&FC.

17/6

Assistant Executive Engineer
Kodigehalli Sub Division
Bruhat Bangalore Mahanagara Pa
Bangalore - 560 092

MEASUREMENT BOOK

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	C&F.C 115-145	1x2	30.0	0.15	1.20	= 10.80	
	145-162	1x2	17.0	0.15	1.20	= 6.12	
	21/11 172-202	1x2	30.0	0.15	1.20	= 10.80	
	ಸಾ.ಅ. (ಬಾ,ಪಿ) 203-223	1x2	16.0	0.15	1.20	= 5.76	
						78.03 cum	
			Qty Ltd to			73.74 cum	
							429618.09
	At the rate of Rs. 5826.12 →						
	Item No. 16:- Providing and fixing 10 cms thick pre cast RCC covering slab using reinforced cement concrete M20 mix with stone aggregate 20mm & down size including						

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date 1	Full description, etc, of work 2
	centering shuttering re
	Laid in layers not exce
	Padma tent area:-
	At the rate of
	Item No. 03:- Providing
	mix 1:2:4 with ceme
	granite metal coarse
	@ 0.459 cum machi

Assistant Executive Engineer
Kodigehalli Sub Division
Bruhat Bangalore Mahanagara Palike
Bangalore - 560 092

T BOOK

sions		Contents	Reference to last Measurement
Breadth 5	Depth 6	7	8
0.15	1.20	= 10.80	
0.15	1.20	= 6.12	
0.15	1.20	= 10.80	
0.15	1.20	= 5.76	
		78.03 cum	
ed to	73.74 cum		
		429618.09	
ne thick pre cast RCC			
ment concrete M20 mix			
on size including			

M. A. R. 57 (Rule 116)
Measurement Book

No. B

496759

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	centering shuttering reinforcement and bar bending machine mixed concrete laid in layers not exceeding 15cm th.,						
	Padma tent area:-	39	0.60	0.90	-	= 21.06 sqm	36346.00
	At the rate of Rs. 1725.84 →					21.00	36242.64
	Item No. 03.- Providing and laying in position plain cement concrete of mix 1:2:4 with cement @ 240 kgs with 20mm and down size graded granite metal coarse aggregates @ 0.69 cum and fine aggregates @ 0.459 cum machine mixed concrete laid in layers not exceeding						

MEASUREMENT BOOK

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	15cms, thick well compacted in foundation, plinth and cills including cost of all materials, labour.,						
	Drain bottom correction 0.10	01	18.0	0.60	0.10	= 1.08	
	Qty lid to 0.90cum						
	At the rate of Rs. 5161.27 →						4645.14
	Item No 07:- Providing and laying in cement concrete using 20mm and down size granite coarse aggregates and fine aggregates of ready mixed concrete (RMC) for RCC works laid in 15cms thick layers and well compacted vibrating, curing						

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency ..
Date of commencement of work .....

Date 1	Full description, etc, of work 2
	finishing with necessa
	Laxmi-narayana temple drain bottom correction:
	Patchwork:
	At the rate of

NT BOOK

nensions		Contents	Reference to last Measurement
Breadth 5	Depth 6	7	8
dation, plinth and cills			
bours.,			
0.60	0.10	= 1.08	
		4645.14	
ment concrete using 20mm			
gregates and fine			
e (RMC) for RCC works laid			
pacted vibrating, curing			

M. A. R. 57 (Rule 116)
Measurement Book

No. B

496760

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	finishing with necessary cement mortar, with all lead and lift etc, complete.						
	Lakshmi-narayana temple drain bottom correction:	01	18.0	0.60	0.15	= 1.62	
	Patchwork:	01	15.0	2.0	0.15	= 4.50	
		01	12.0	2.20	0.15	= 3.96	
						10.08 cum	
	At the rate of Rs. 5952.11 → Upto 10.00						59521.10

MEASUREMENT BOOK

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	Item No. 08:- Providing and constructing granite / trap / basalt size stone masonry in foundation with cement mortar 1:6, stone hammerred dressed in courses not less than 20 cms, high bond stones at two m apart in each course including cost of materials, labour, curing etc.,						
	Repairs to culvert wall sidewall.	1×2	5.0	0.45	0.60	= 2.70 cum	
	At the rate of Rs. 3248.64 →						8771.33
	Item No. 09:- Providing ruled pointing of course stone masonry with cement mortar 1:3, 20mm deep after raking joints						

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency
Date of commencement of work .....

Date 1	Full description, etc, of work 2
	to depth of 20mm nice etc, complete,
	Repairs to culvert wall side-wall:
	At the rate o
	Item No. 11:- Providing
	Near apartment
	At the rate of

1.1.17 — 4960

OK

Depth 6	Contents 7	Reference to last Measurement 8
le Hoep/basalt size		
mortar 1:6, stone		
than 20 cms, high		
se including cost		
5 0.60 = 2.70 cum		
		8771.33
course stone masonry		
after raking joints		

M. A. R. 57 (Rule 116)
Measurement Book

No. B

496761

Serial No. ..... From..... To.....
Name of Work .....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	to depth of 20mm nicely lining including cost of materials, labour curing etc, complete,						
	Repairs to culvert wall side-wall:	1x2	5.0	-	0.60 =	6.00 sqm	
							201.00
	At the rate of Rs. 33.50 →						
	Item No. 11:- Providing and fixing 20cm th precast RCC covering slab,						
	Near apartment	07	0.6	1.80	- =	7.56 sqm	
							36320.81
	At the rate of Rs. 4804.34 →						

MEASUREMENT BOOK

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	Item No.12:- loading and unloading charges,						
	Qty vide page no 496 to 756 →			340.10 cum			
	At the rate of Rs. 89.13 →					30313.11	
				Grand total		1384184.28	
				Ab/ll/f.N.D AE (NZ) 30/9/19			

Checked
30/9/19

Assistant Executive Engineer
Hodigehalli Sub Division
Bruhat Bangalore Mahanagara Palike
Bangalore - 560 002

For Nischal Constructions
Proprietor

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date 1	Full description, etc, of work 2
	Padma tent
	27.0m
	→ cross
	PLDN-1

Assistant Executive
Hodigehalli Sub
Bruhat Bangalore Ma

BOOK

ons		Contents	Reference to last Measurement
Breadth 5	Depth 6	7	8
ar gee,			
340 10 cum			
		30313.11	
rand total		1384184.28	
AE.N.D			
AE(NZ)			
30/9/19			

M. A. R. 57 (Rule 116)
Measurement Book

No. B

496762

Serial No. .....

Name of Work ..... From ..... To .....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	Padma tent					culvert	
	27.00m						
	crossroad						
						towards Lake	
							INDEX
							RCC drain
	PLDN-1						
	towards Jakkur						
							AE.N.D
							AE(NZ)
	P LDN-2					towards NH1	

towards P. Yellamma temple

1part

Assistant Executive Engineer
Yeddigehalli Sub Division
Bangalore-Mahanagara Palike
560 092

MEASUREMENT BOOK

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	Certificate:-						
	I certified that ~~beneficiary~~ satisfactorily.	Contractor has done the work					
	Sd/- AE (W)						

Assistant Executive Engineer
Rajajinagar Sub Division
Bwssb Bangalore Mahanagara Palike
Bangalore - 560 002

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date 1	Full description, etc, of work 2
	1st & Final

ಲೆಕ್ಕಶೀರ್ಷಿಕೆ P-1771
ಬಿಲ್ಲು ಮೊಬಲಗು ರೂ. 1382300 ಗಳನ
ಇದರಲ್ಲಿ ರೂ. 83184-00 ಗಳ
ಮಾಡಿಕೊಂಡು ರೂ. 1299116-

FT/NEFT/RTGS ಮುಖಾಂತರ ನೀಡ

ನಿರ್ವಾಹಕರು
ಲೆಕ್ಕಾಧೀಕ್ಷಕರು
ಬ್ಯಾಟರಾಯನಪುರ ವಿಭಾಗ
ಬೃ.ಬೆ.ಮ.ಪಾ, ಬೆಂಗಳೂರು
ಕಾರ್ಯ
ಬ್ಯಾ
ಬೃ

1107 A960

ENT BOOK

Dimensions			Contents	Reference to last Measurement
gth 4	Breadth 5	Depth 6	7	8
or has done the work				
3/9/19 Executive Engineer Shell Sub Division Bangalore Mahanagara Palike Bangalore - 560 002				

M. A. R. 57 (Rule 116)
Measurement Book

No. B

496763

Serial No. ..... From..... To.....
Name of Work .....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	1st & Final						
	ಲೆಕ್ಕಶೀರ್ಷಿಕೆ P-1771 ರಡಿ ಬಿಲ್ಲು ಮೊಬಲಗು ರೂ. 132300 ಗಳನ್ನು ಪಾಸು ಮಾಡಿದೆ. ಇದರಲ್ಲಿ ರೂ. 83184-00 ಗಳನ್ನು ಹೊಂದಾಣಿಕೆ ಮಾಡಿಕೊಂಡು ರೂ. 129116-00 ಗಳನ್ನು FT/NEFT/RTGS ಮುಖಾಂತರ ನೀಡಲಾಗಿದೆ. ವಿಷಯ ನಿರ್ವಾಹಕರು; ಲೆಕ್ಕಾಧೀಕ್ಷಕರು ಬ್ಯಾಟರಾಯನಪುರ ವಿಭಾಗ ಬೃ.ಬೆ.ಮ.ಪಾ, ಬೆಂಗಳೂರು; ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು ಬ್ಯಾಟರಾಯನಪುರ ವಿಭಾಗ ಬೃ.ಬೆ.ಮ.ಪಾ, ಬೆಂಗಳೂರು						
						ಬಿಲ್ 132300-00	
						ಮಿ 28000-00	
						ಎಲಿ 12342-00	
						ಎಲಿ 12342-00	
						ಇ.ಎ 1400-00	
						ಎಲ್. 1400-00	
						ಸಿ 690-00	
						ಸೆಸ್ 800-00	
						83184-00	
						129116-00	